

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference V 7618 / UP	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2005/000544	International filing date (day/month/year) 20/01/2005	(Earliest) Priority Date (day/month/year) 28/01/2004
Applicant VEGA GRIESHABER KG		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000544

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01D11/00 G01F23/26 G11B33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01D G01F G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 737 787 A (ITO ET AL) 12 April 1988 (1988-04-12) column 2, line 46 - column 3, line 35; figure 1	1-22
Y	DE 196 06 747 A1 (SCHARCO ELEKTRONIK GMBH & CO KG, 42277 WUPPERTAL, DE) 28 August 1997 (1997-08-28) abstract; figure 1	1-22
Y	DE 299 03 260 U1 (SIEMENS AG) 13 April 2000 (2000-04-13) abstract; figure 1	1-22
Y	DE 101 13 646 A1 (ABB RESEARCH LTD., ZUERICH) 26 September 2002 (2002-09-26) cited in the application abstract; figure 1	1-22
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

6 April 2005

Date of mailing of the international search report

18/04/2005

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/000544

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 402 031 B1 (HALL DONALD R) 11 June 2002 (2002-06-11)	12, 18
Y	column 10, line 62 - column 13, line 8; figure 1 -----	1-22
Y	DE 39 15 456 A1 (HERION-WERKE KG, 7012 FELLBACH, DE) 15 November 1990 (1990-11-15) column 2, lines 17-31; figure 1 -----	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000544

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4737787	A	12-04-1988	JP 2735174 B2 02-04-1998 JP 62090049 A 24-04-1987 CN 86107097 A ,B 13-05-1987 DE 3687621 D1 11-03-1993 DE 3687621 T2 03-06-1993 EP 0219120 A2 22-04-1987
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DE 10113646	A1	26-09-2002	WO 02074043 A2 26-09-2002 EP 1370856 A2 17-12-2003 US 2004098211 A1 20-05-2004
US 6402031	B1	11-06-2002	US 2002153419 A1 24-10-2002 US 2004200900 A1 14-10-2004
DE 3915456	A1	15-11-1990	NONE